

### AMENDMENTS TO THE SPECIFICATION

The following is a copy of Applicants' specification that identifies language being added with underlining ("\_\_\_\_") and language being deleted with strikethrough ("—") or double strikethrough ("=="), as is applicable.

Please make the following amendments to the specification:

In paragraph [026]:

The patent application with Serial No. 10/603,038 ~~attorney docket number 64607-1730~~, entitled "Automatic Discovery of Network Core Type" ~~Type~~, and filed on June 24, 2003, the same day is incorporated by reference in its entirety herein. In addition, the patent application with International Application No. PCT/US03/19998 ~~attorney docket number 64607-1740~~, entitled "Determination of Network Performance Characteristics" ~~Characteristics~~, and filed on June 24, 2003 (National Stage Entry Serial No. 10/515,222 filed on November 19, 2004), the same day is incorporated by reference in its entirety herein.

In paragraph [052]:

FIG. 3B follows FIG 3A in time. FIG. 3B shows the result of the first iteration of steps 402-407 and the first iteration of steps 501-506 ~~504-508~~ for the example network.

In paragraph [057]:

FIG. 3C follows FIG. 3B in time, and shows the result of all iterations of steps 402-407 and all iterations of steps 501-506 ~~504-508~~ for the example network configuration.

In paragraph [059]:

This arrangement is called a "full mesh." FIG. 3C thus shows the same three bidirectional paths 301, 302, 303 from FIG. 3B, plus three ~~two~~ additional bidirectional paths 304, 305, and 306 ~~304 and 305~~.

In paragraph [061]:

Network configuration 100a contained ~~a~~ one list, 206a, which contained the node addresses of all other nodes.

In paragraph [062]:

The list of known nodes 206a for node 101a contains two entries, one for node 101b and one for node 101c ~~404b~~.

In paragraph [069]:

Because forward count field 209 is zero (node 101b ~~404a~~ decremented the count before transmitting the announcement), node 101e does not forward the new node address (.5) on to other nodes.

In paragraph [070]:

Because forward count field 209 is zero (node 101b ~~404a~~ decremented the count before transmitting the announcement), node 101d does not forward the new node address (.5) on to other nodes.

In paragraph [071]:

FIG. 6D shows a snapshot of each node's list of known nodes 206 after node 101c has announced the Static nodes in its list 206c ~~206b~~. There are two Static nodes in list 206c, and both have a non-zero Forwarding Count. Therefore, node 101c announces address .6

to both Static nodes in its list 206c (.6 and .7), and also announces address .7 to both Static nodes.

In paragraph [072]:

The list 206f in node 101f 404d remains unchanged by the announcement of node .6, since the announcement contained only the node's own address. However, the list 206g in node 101g has been updated with a new Discovered node with the network address field 208 set to .6, and with forward count field 209 set to zero. Because forward count field 209 is zero (node 101c 404a decremented the count before transmitting the announcement), node 101g 404e does not forward the new node address (.6) on to other nodes.

In paragraph [073]:

Because forward count field 209 is zero (node 101c 404a decremented the count before transmitting the announcement), node 101f 404d does not forward the new node address (.7) on to other nodes.

In paragraph [074]:

The paths resulting from the sequence described by FIGs. 6A-D are ~~a~~ called "dual tier." FIG. 6D thus shows ~~the same three bidirectional paths 301, 302, 303 from FIG. 3C, plus two additional bidirectional paths~~ 607, 608, and 609 ~~306 and 307.~~

In paragraph [077]:

The list of known nodes 206a for node 101a contains two entries, one for node 101b and one for node 101c 404b.

In paragraph [088]:

The list 206f 206d in node 101d is updated with a new Discovered node with the network address field 208 set to .3, and with forward count field 209 set to zero.

In paragraph [089]:

Some Discovered nodes in FIG. 7D have a forward count field 209 of 1 of 4.

In paragraph [095]:

The ICMP type field 809 is set to 8 and the ICMP code field 810 is set to 0, which identifies the ~~as~~ ICMP packet 808 as an Echo Request.

In paragraph [0101]:

Node 101d 404 has deleted address .3 but the deletion announcement for its own address .4 has no effect.